

Amendments to the Specification:

Please replace the paragraph beginning at line 21 on page 5 with the following amended paragraph:

FIG. 4A illustrates some important fields of data frame 40 transmitted to the repeater 24 by the station 26 according to the present invention. The logic value of the first field (the “To DS” field) (the “From DS” field) is set to 1, indicating that the data frame 40 is transmitted to an access point (the repeater 24) of a distribution system. The logic value of the second field (the “From DS” field) (the “To DS” field) is set to 0, indicating that the data frame 40 is not transmitted from an access point of a distribution system. The address 1 field records the BSSID of the repeater 24, the address 2 field records the address of the station 26, the address 3 field records the address of the station 28 and the address 4 field is not used. After receiving the data frame 40, the repeater 24 will transmit an acknowledgement frame to the station 26 according to the address recorded in the address 2 field of the data frame 40.